

939,122.

Fig. 1.

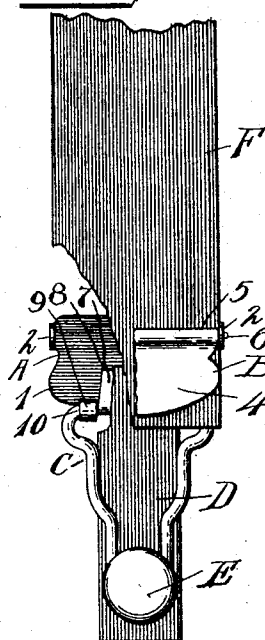


Fig. 3.

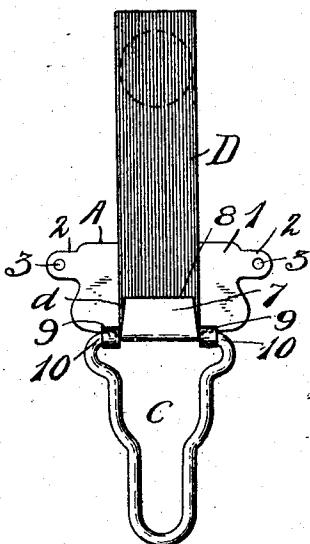
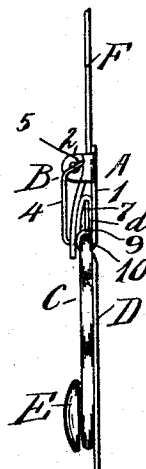


Fig. 2.



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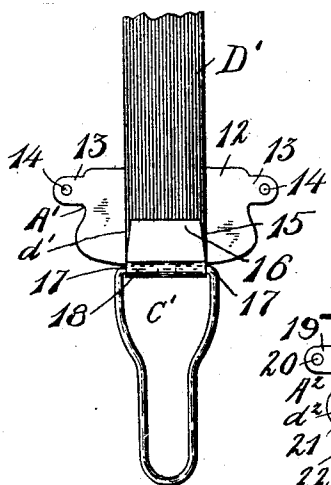
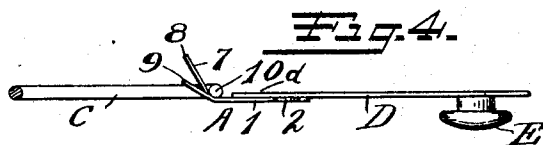
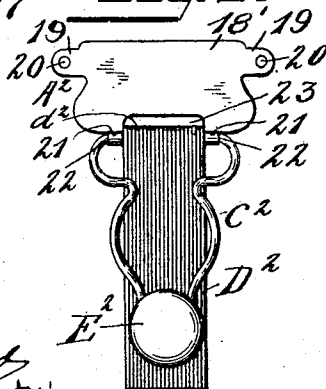


Fig. 4.



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UNITED STATES PATENT OFFICE.

MATTHEW F. BURNS, OF SHELTON, CONNECTICUT, ASSIGNOR TO THE ROBERT N. BASSETT COMPANY, OF SHELTON, CONNECTICUT, A CORPORATION OF CONNECTICUT.

COMBINED BUCKLE AND CLASP.

939,122.

Specification of Letters Patent.

Patented Nov. 2, 1909.

Application filed August 11, 1908. Serial No. 448,006.

To all whom it may concern:

Be it known that I, MATTHEW F. BURNS, a citizen of the United States, residing at Shelton, in the county of Fairfield and State of Connecticut, have invented a certain new and useful Improvement in Combined Buckles and Clasps, of which the following is a specification.

My invention relates to garment supporters of the button clasp type and its object is to provide an economical and durable device of this character wherein the button clasp or a part thereof is attached directly to a buckle mounted on the supporting strap or webbing.

With this and other objects in view my invention consists in the details of construction and manner of operation fully set forth in the following description and accompanying drawings in which like reference characters refer to corresponding parts.

In the drawings: Figure 1 is a front view of my device mounted on a supporting strap some of the parts being shown broken away; Fig. 2, a side view of Fig. 1; Fig. 3, a front view of Fig. 1 before the lever is assembled; Fig. 4, a view showing the parts in the process of being assembled, and Figs. 5 and 6, front views of modifications before the lever is assembled.

Referring to Figs. 1, 2, 3, and 4 the frame A of the buckle is made out of sheet metal and comprises the back plate 1 having the forwardly projecting side ears 2, 2 provided with apertures 3, 3. The locking lever B is also made out of sheet metal and consists of the front portion or shield 4, the clamping edge 5 and the laterally projecting trunnions 6, 6 journaled in the apertures 3, 3 of the side ears. The lower edge of the back plate 1 is slit vertically and bent forwardly to form the pintle straps 9, 9 and the transversely disposed lip 7 having a substantially straight edge 8. The loop C is provided with the pintles 10, 10, but otherwise may be of any suitable construction having the usual opening contracted near its lower extremity to embrace the neck of a button. The pintle straps 9, 9 are curled around the pintles 10, 10 to form journal sockets on the lower side of the frame and the lip 7 is turned back on the front face of the frame, and is swaged or pressed down on the free extremity *d* of the tab D, which latter carries a button E at its opposite extremity

adapted to operate together with the loop C in a well known manner to act as a clasp.

To fasten the loop C and the tab D to the buckle frame A the pintles 10, 10 of the loop and extremity *d* of the tab are placed against the lower side of the front face of the frame in longitudinal alinement with the straps 9, 9 and the lip 7 respectively, as shown in Fig. 4. The straps are then curled around the pintles and the lip is forced down simultaneously on the extremity of the tab in a machine adapted for this purpose. When the device is thus partly assembled, as shown in Fig. 3, the extremity of the tab D carrying the button E is carried around the edge 8 of the lip 7 and passed rearwardly through the widened portion of the loop. The side ears 2, 2 of the frame A are then turned forwardly causing the apertures 3, 3 to embrace the trunnions 6, 6 respectively of the lever B.

The buckle may be adjustably mounted on the webbing F or other supporting strap by lifting the front portion 4 of the lever to open the buckle and passing the extremity of the webbing F between the lever and the front face of the frame. The buckle is then closed by shutting down the front 4 over the lip 7, thereby concealing the top of the tab and causing the gripping edge 5 to lock the webbing F against the front of the back plate 1. The free end of the webbing when clamped to the buckle may lie against the back plate above the lip 7, or may be drawn downwardly over the front of the loop C as shown in Figs. 1 and 2. All that portion of the strap F, however, below the locking edge 5 of the lever is superfluous and may be readily cut off to the length desired for adjustment. The tab having the extremity secured as described beneath the lip 7 is not only confined between the same and the back plate 1, either of which may have its gripping surface roughened or serrated, but being held down against the front of the lip by the front 4 of the lever, drags or binds around the free edge 8, which latter also serves to keep the tab uniformly spread, and thus any force or strain tending to pull out the end of the tab is resisted. The arrangement of the parts herein described also permits minimum lengths of webbing and tabs to be utilized thus resulting in a considerable economy in the material. The threading of the button end of the tab in under the

buckle and down the back of the loop not only relieves the strain on the confined extremity of the tab but also prevents any pull on the tab from accidentally lifting the front of the lever and opening the buckle. By attaching the tab and loop to the buckle simultaneously one of the assembling operations may be eliminated. It will also be observed that by making the buckle and the loop in separate pieces I am enabled to utilize a loop made of wire. It will be further observed in referring to Figs. 1 and 2 that the lower extremity of the front 4 of the lever B being substantially the same length as the back plate 1 will shut down over the top side of the loop when the buckle is closed and for this reason will pass between the sides of the upper extremities of the loop when this latter member swings forwardly. This arrangement prevents the loop from opening the buckle during its pivotal movement.

Referring to the modification shown in Fig. 5 the frame A' of the buckle comprises the back plate 12 having the forwardly projecting side ears 13, 13 provided with apertures 14, 14, and arranged to be bent forwardly to engage the trunnions of the clamping lever in the same manner as in the preceding figures. The lower side of the frame is provided with a projecting tongue 15 terminating in a lip 16. The tongue 15 is turned back on the front face of the back plate 12 around the pintles 17, 17 of the loop C', and the lip portion 16 is pressed or swaged down to confine the extremity d' of the tab D' simultaneously forming a journal socket 18 for the pintles 17, 17. The tab D' is then carried around the free edge of the lip and passed rearwardly through the loop.

Referring to the modification shown in Fig. 6 the frame A² of the buckle comprises the back plate 18' having the laterally projecting ears 19, 19 provided with apertures 20, 20 and arranged to be bent forwardly to engage the trunnions of the clamping lever. On the lower side of the back plate 18' are mounted the pintle sockets 21, 21 in which are journaled the pintles 22, 22 of the loop C², and its body portion is provided with a transversely disposed slot or elongated opening 23 through which may be threaded the extremity of the tab D² carrying the button E². The extremity of the tab D² may be threaded forwardly or rearwardly through the slot and is preferably sewed upon itself.

Having now disclosed my invention as embodied in the modifications above described other modifications comprehending

such broad features as fairly come within the scope of the appended claims will readily suggest themselves.

Having now described my invention what I claim and desire to protect by Letters Patent is:

1. As an article of manufacture a buckle comprising a sheet metal back plate having a button loop and a button tab carried thereby and having its lower extremity provided with a transversely disposed lip which is pressed down on the face of said back plate to grip the end of said button tab, and a web locking lever journaled across the face of said back plate provided with a front portion arranged to shut down over said lip when the buckle is closed.

2. As an article of manufacture a buckle comprising a sheet metal back plate having its lower edge slit and curled to form lined pintle sockets, a loop member of a button clasp provided with pintles journaled in said sockets, the said lower edge being bent upwardly between said sockets to form a tab gripping lip having a transversely disposed edge around which a button tab is adapted to be drawn when cooperating with said loop and a lever journaled across the front of said back plate provided with a front member or shield arranged to shut down over said lip when the buckle is closed.

3. In a garment supporter a sheet metal buckle back provided with forwardly turned side ears and a depending button loop, combined with a button tab having its upper extremity secured to the front face portion of said back and its button end passed under said back to the rear side of said loop, and a lever carried between said ears, the said lever having a front portion which shuts down over the secured extremity of the tab when the buckle is closed.

4. In a garment supporter the combination with a garment fastening loop, of a sheet metal buckle plate hinged to said loop and a pivoted lever for adjustably locking a garment supporting strap against the face of said plate, the said lever having a front portion which shuts down over the top side of said loop the lower extremity of which is arranged to pass between the upper extremity of the sides of said loop when the latter member swings forwardly.

In testimony whereof I have hereunto set my hand this 6th day of August, 1908.

MATTHEW F. BURNS.

Witnesses:

WALTER W. HOLDEN,
D. W. NORTHUP.